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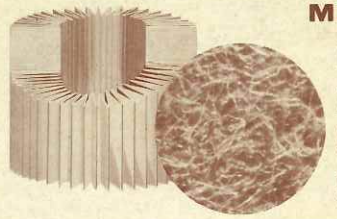
Bendix FILTRATION RELIABILITY

filter element materials

Bendix Filter Division manufactures a complete line of filtering materials to meet a wide variety of fluid flow system requirements. Seven of these materials and their broad specifications are shown.

These high quality elements provide particle size control from ½ to 250 microns in temperature ranges from minus 350 F to plus 1500 F.

An extensive line of Bendix filter housings of standardized and special designs are available to accommodate each of the filter element material types. (See next page.) Top quality of filter elements and housings by Bendix assures high performance and filtration reliability in all fluid flow equipment.



MICROPLEAT

A cellulose pleated sheet material impregnated with phenolic resins. Has a high flow capacity. Large dirt-holding capacity and relatively low cost.

Rated Filtration: Five to 40 microns.

Operating Temperature Range: Minus 65 F to plus 275 F (continuous).

For: Air, gases, hydraulic fluids, lubricating oils, gasoline, kerosene, diesel and JP fuels.

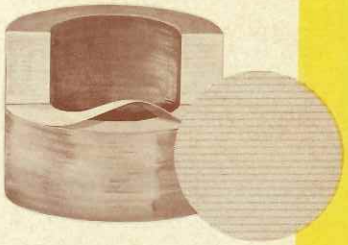
MICROEDGE

An assembly of spring-loaded punched phenolic resin-impregnated cellulose washers. Provide fine and controlled filtration, withstand extremely high pressure differentials, and are cleanable and re-usable.

Rated Filtration: One-half to 10 microns.

Operating Temperature Range: Minus 65 F to plus 275 F (Continuous).

For: Hydraulic fluids, diesel fuel, lubricating oils, gasoline, JP fuels, air and gases.



MICROBON

A resin-impregnated and bonded cylinder of helically-wound cellulose ribbon material forming self-supporting structure. Provides a low-cost, non-corrosive filter with maximum design adaptability. Cleanable for re-use.

Rated Filtration: 40 microns.

Operating Temperature Range: Minus 65 F to plus 275 F (Continuous).

For: Air, gases, fuels and hydraulic fluids.

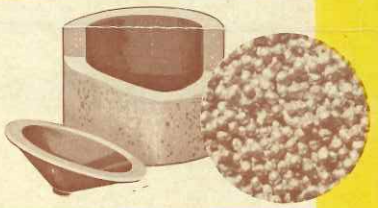
MICROLOX

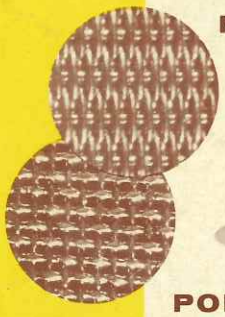
A sintered, cylindrical or other molded shape assembly of uniform powdered non-ferrous materials. Provides a low-cost metal element with partial cleanability features.

Rated Filtration: Five to 40 microns.

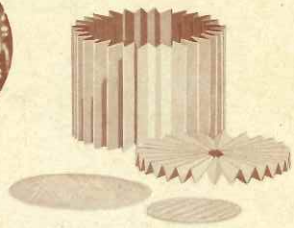
Operating Temperature Range: Minus 350 F to plus 600 F (Continuous).

For: Air, fuels and hydraulic fluids.





MICROMESH



POROMESH*

Woven wire mesh made from 18-8 stainless steel wire. Poromesh is sintered and calandered for precision control of pore size and to prevent media migration under high vibration. Both are made in pleated sheets, pleated cylinders, flat disk, pleated disk, fan shape, and pleated cylinder forms and are cleanable for re-use.

Rated Filtration: Micromesh, 5-microns up; Poromesh, 2-microns up.

Operating Temperature Range: Minus 400 F to plus 1200 F (Continuous).

For: Air, cryogenic fluids, hydraulic fluids, lubricating oils, gases, fuels and chemical solutions.

POROLOY*

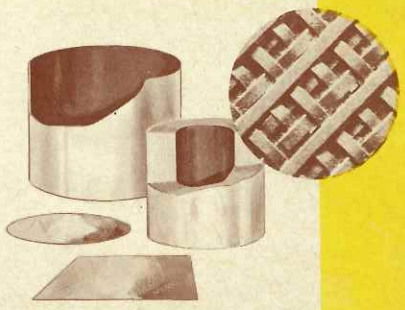
A cylinder, disk or sheet of sintered, wound wire of stainless steel, Inconel, nickel, copper, nichrome, Hastalloy, etc. Provides maximum design adaptability, wide variety of wall thicknesses and diameters.

Rated Filtration: Five to 250-microns.

Operating Temperature Range: Minus 400 F to plus 1500 F (Continuous—depending on wire material.)

For: Lubricating oils, hydraulic fluids, cryogenic fluids, fuels, gases, acids, caustics and related fluids. Also has been used for boundry layer control and sweat cooling.

*Trademark registered.



BFD

BENDIX FILTER DIVISION
BENDIX AVIATION CORPORATION

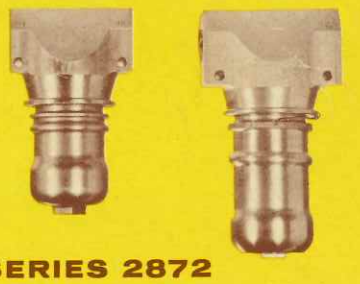
416-146(R.)

TWO-MICRON FILTERS

for aircraft and missile ground service and production support equipment; working pressure to 6000 psi; contains Bendix Microedge element (see previous page).

SERIES 6234

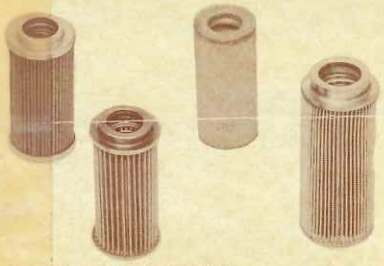
filter assemblies for 150 to 2500 psi systems; conforms to AN 6234 envelope size; available with elements of Bendix Poromesh, Micromesh, Microlox, Micropleat and Microfil (see previous page).



SERIES 2872

filter assemblies for 1000 to 5000 psi systems; conforms to MS 28720 envelope size; available with elements of Bendix Poromesh, Micromesh, Microlox, Micropleat and Microfil (see previous page).

Bendix FILTER ASSEMBLIES AND REPLACEMENT ELEMENTS



SERIES 6235

filter elements in four sizes conform in size to AN 6235 envelope (for housings conforming in size to AN 6234 and MS 28720); available in Bendix Poromesh, Micromesh, Microlox, Micropleat and Microfil (see previous page).

SERIES 6236

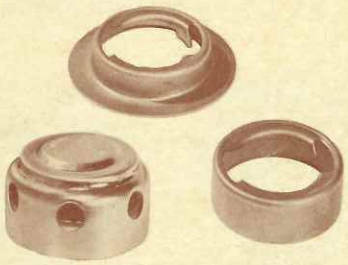
reservoir filter element qualified under Mil-F-5504A (with 10-micron Micropleat); available in three lengths in Bendix Micropleat, Poromesh, Micromesh and Microfil (see previous page).

SERIES 2200

filter elements of Bendix Microbon (see previous page); available in extremely wide range of lengths, diameters and wall thicknesses.

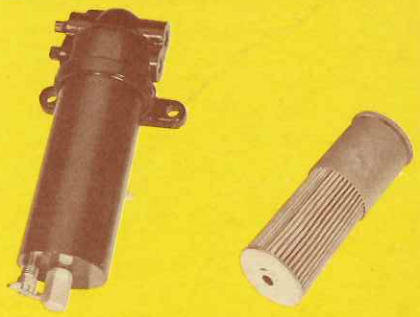
SERIES 1346

filter assemblies for high pressure aircraft and missile support equipment and precision process applications; available with elements of Bendix Poromesh and Micropleat (see previous page).



MICRONIC BREATHER FILTERS

for ventilation of fuel and oil reservoirs with a variety of connections, sizes, shapes and micron ratings.



SERIES 5700

filter assemblies for cleaning industrial air lines; available with elements of Bendix Microbon, Microedge and Micropleat (see previous page).

Filter assemblies and replacement elements shown above are only a few of the standard and custom-built units that have proven Bendix a leader in the fluid filtration field. Complete information about these or other Bendix products is available on request.

BFD

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